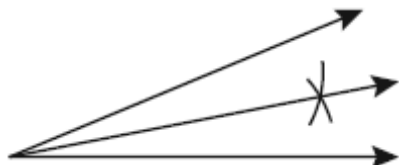


NAME: _____

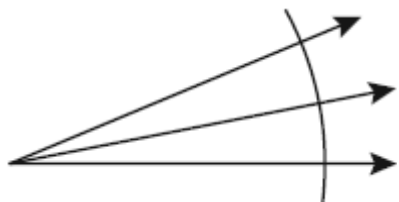
1. 060925ge, P.I. G.G.17

Which illustration shows the correct construction of an angle bisector?

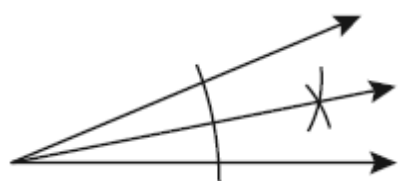
[A]



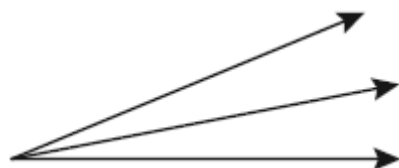
[B]



[C]

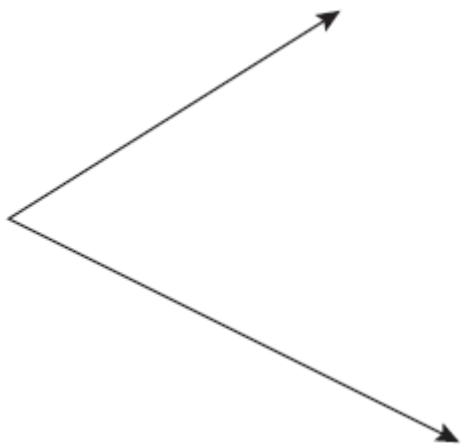


[D]



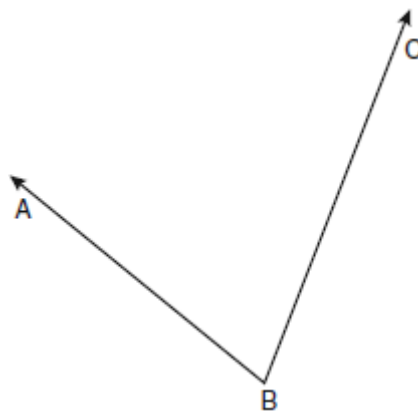
2. fall0832ge, P.I. G.G.17

Using a compass and straightedge, construct the bisector of the angle shown below.
 [Leave all construction marks.]



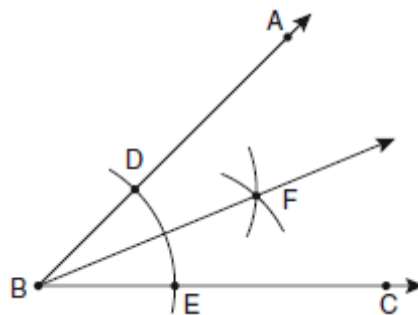
3. 080932ge, P.I. G.G.17

Using a compass and straightedge, construct the angle bisector of $\angle ABC$ shown below.
 [Leave all construction marks.]



4. 080902ge, P.I. G.G.17

The diagram below shows the construction of the bisector of $\angle ABC$.



Which statement is *not* true?

[A] $m\angle EBF = m\angle ABC$

[B] $m\angle DBF = m\angle EBF$

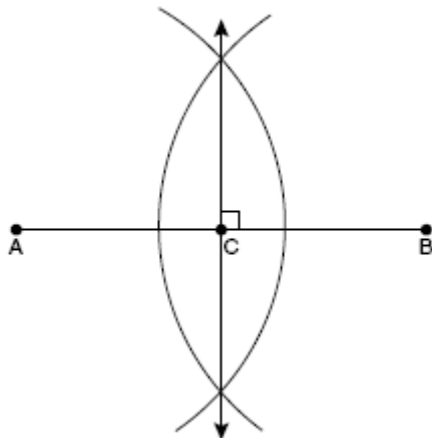
[C] $m\angle DBF = \frac{1}{2}m\angle ABC$

[D] $m\angle EBF = \frac{1}{2}m\angle ABC$

NAME: _____

5. fall0804ge, P.I. G.G.18

The diagram below shows the construction of the perpendicular bisector of \overline{AB} .



Which statement is *not* true?

- [A] $CB = \frac{1}{2} AB$ [B] $AC = CB$
 [C] $AC + CB = AB$ [D] $AC = 2AB$

6. 060930ge, P.I. G.G.19

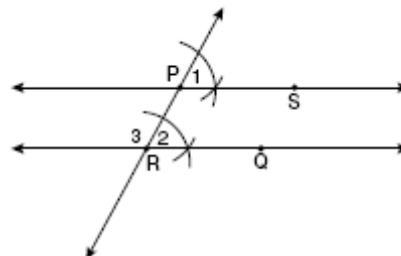
Using a compass and straightedge, construct a line that passes through point P and is perpendicular to line m . [Leave all construction marks.]

• P



7. fall0807ge, P.I. G.G.19

The diagram below illustrates the construction of \overline{PS} parallel to \overline{RQ} through point P .



Which statement justifies this construction?

- [A] $m\angle 1 = m\angle 2$ [B] $m\angle 1 = m\angle 3$
 [C] $\overline{PS} \cong \overline{RQ}$ [D] $\overline{PR} \cong \overline{RQ}$

[1] C _____

[2] A correct construction is drawn showing all appropriate arcs, and the angle bisector is drawn.

[1] All construction arcs are drawn, but the angle bisector is not drawn.

or [1] The appropriate method is demonstrated, but one construction error is made, such as not extending the sides to show points of intersection by the arc.

[0] A drawing that is not an appropriate construction is shown.

or [0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an

[2] obviously incorrect procedure.

[2] A correct construction is drawn showing all appropriate arcs, and the angle bisector is drawn.

[1] All construction arcs are drawn, but the angle bisector line is not drawn.

or [1] Appropriate work is shown, but one construction error is made, such as not extending the sides of the original angle to show points of intersection of the arc.

[0] A drawing that is not an appropriate construction is shown.

or [0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an

[3] obviously incorrect procedure.

[4] A _____

[5] D _____

[2] A correct construction is drawn showing all appropriate arcs, and the perpendicular line is drawn.

[1] Appropriate work is shown, but one construction error is made, such as not drawing the perpendicular line.

or [1] Appropriate work is shown, but one conceptual error is made.

[0] A drawing that is not an appropriate construction is shown.

or [0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an

[6] obviously incorrect procedure.

[7] A _____