

Section 14-1: The Meaning of an Algebraic Fraction

1. 080422a, P.I. A.A.15

For which value of x is the expression $\frac{x-7}{x+2}$ undefined?

[A] 2 [B] -2 [C] 0 [D] 7

2. 060319a, P.I. A.A.15

For which value of x is the expression $\frac{3x-6}{x-4}$ undefined?

[A] 2 [B] 0 [C] 4 [D] -4

3. 080610a, P.I. A.A.15

For which value of x is the expression $\frac{3}{x-2}$ undefined?

[A] 0 [B] 3 [C] 2 [D] -2

4. 010822a, P.I. A.A.15

For which value of x is the expression $\frac{6-x}{x+2}$ undefined?

[A] 2 [B] -2 [C] 0 [D] 6

5. 010607a, P.I. A.A.15

For which value of x will the fraction $\frac{3}{2x+4}$ be undefined?

[A] -2 [B] 2 [C] 0 [D] -4

6. fall0728ia, P.I. A.A.15

For which value of x is $\frac{x-3}{x^2-4}$ undefined?

[A] 4 [B] 3 [C] -2 [D] 0

7. 010716a, P.I. A.A.15

Which expression is undefined when $w = 3$?

[A] $\frac{w-3}{w+1}$ [B] $\frac{3w}{3w^2}$
[C] $\frac{w+1}{w^2-3w}$ [D] $\frac{w^2+2w}{5w}$

[1] B

[2] C

[3] C

[4] B

[5] A

[6] C

[7] C