



d)  $16x^2 + 9y^2 - 6xy$

6 Simplify the rational expression  $\frac{x^2 - 2x - 15}{(x^2 - 9)}$  given that x is not equal to 3 or -3

a)  $\frac{x-5}{3}$

c)  $\frac{x-5}{x-3}$

b)  $\frac{x+3}{x-30}$

d)  $\frac{1}{3}$

7 Simplify:  $\frac{10 - (-15)}{-35}$

a)  $-\frac{2}{3}$

c)  $-\frac{1}{7}$

b)  $-\frac{5}{7}$

d) 5

8 Solve for x:  $5x - 3(x + 2) = -4$

a) -1

c)  $\frac{1}{4}$

b) -3

d) 1

9 Simplify:  $-2(7 - 10) - 5(4 - 5)$

a) -11

c) -21

b) 11

d) 7

10 Which of the following expressions is equivalent to:  $15 - (\frac{3}{7})x \geq 30$

a)  $x \geq \frac{108}{7}$

b)  $x \geq \frac{45}{7}$

c)  $x \geq -35$

d)  $x \leq -35$

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|------|------|------|------|-------|
| 1. c | 2. a | 3. c | 4. d | 5. c  |
| 6. c | 7. b | 8. d | 9. b | 10. d |