

13.3 Homework

Date _____ Period _____

Solve each equation by taking square roots.

1) $a^2 = 25$

2) $2x^2 = 40$

3) $x^2 + 3 = 12$

4) $3x^2 - 8 = 256$

Factor the common factor out of each expression.

5) $-15r^2 + 20r$

Factor each completely.

6) $n^2 - 10n + 25$

7) $x^2 + 18x + 80$

8) $r^2 - 11r + 24$

9) $n^2 + n - 6$

10) $n^2 + 4n - 12$

11) $n^2 - 6n + 5$

Answers to 13.3 Homework

1) $\{5, -5\}$

5) $5r(-3r + 4)$

9) $(n + 3)(n - 2)$

2) $\{2\sqrt{5}, -2\sqrt{5}\}$

6) $(n - 5)^2$

10) $(n + 6)(n - 2)$

3) $\{3, -3\}$

7) $(x + 10)(x + 8)$

11) $(n - 5)(n - 1)$

4) $\{2\sqrt{22}, -2\sqrt{22}\}$

8) $(r - 3)(r - 8)$