

Factor each trinomial

$$\begin{aligned} \text{a) } & x^2 - 9x + 20 \\ & (x-5)(x-4) \end{aligned}$$

$$\begin{aligned} \text{e) } & x^2 + 4x - 21 \\ & (x+7)(x-3) \end{aligned}$$

$$\begin{aligned} \text{b) } & m^2 - 13m + 42 \\ & (m-6)(m-7) \end{aligned}$$

$$\begin{aligned} \text{f) } & a^2 - 3ab - 10b^2 \\ & (a-5b)(a+2b) \end{aligned}$$

$$\begin{aligned} \text{c) } & a^2 + 6a + 9 \\ & (a+3)^2 \end{aligned}$$

$$\text{g) } 3y^2 + 12y - 15$$

$$\begin{aligned} \text{d) } & 18 - 9x + x^2 \\ & x^2 - 9x + 18 \\ & (x-6)(x-3) \end{aligned}$$

$$\begin{aligned} & 3(y^2 + 4y - 5) \\ & 3(y+5)(y-1) \end{aligned} \quad \begin{array}{l} m-5 \\ A 4 \end{array}$$

Math 10B

Name _____

Simple Trinomials

Date _____

Factor each completely.

1) $n^2 + 11n + 24$

2) $v^2 + 8v + 15$

3) $x^2 - 6x - 16$

4) $x^2 + 3x - 54$

5) $n^2 - 12n + 32$

6) $k^2 + 10k + 16$

7) $r^2 + 7r - 18$

8) $n^2 + 3n - 18$

9) $x^2 + 4x - 60$

10) $p^2 + 5p - 14$

11) $n^2 - 2n - 35$

12) $x^2 + 10x + 24$

13) $n^2 + 6n - 40$

14) $x^2 + 8x + 7$

Puzzle sheet

🔗 When is a wrestler "King of the Ring"?

Attachments

Puzzle Worksheet - Simple Trinomials - When is a Wrestler King of the Ring.pdf