

3/4/04 (3) am

Name Answer Key  
factor.1 OK

Name \_\_\_\_\_  
factor.1 Redo

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No partial credit. CIRCLE each answer.

1. Factor

$$4x^2 - 12x + 24$$

$$4(x^2 - 3x + 6)$$

$$4( \quad )( \quad )$$

$$4(x^2 - 3x + 6)$$

$$\frac{6}{1 \cdot 6}$$

$$2 \cdot 3$$

2. Factor

$$x^2 - 11x + 24$$

$$(x-3)(x-8)$$

$$\frac{24}{1 \cdot 24}$$

$$2 \cdot 12$$

$$3 \cdot 8$$

$$4 \cdot 6$$

3. Factor

$$x^2 - 36$$

$$(x-6)(x+6)$$

4. Factor

$$5x^2 - 14x - 3$$

$$(1x-3)(5x+1)$$

$$\frac{3}{1 \cdot 3}$$

$$\begin{array}{l} 1 \text{ --- } +1 \\ 5 \text{ --- } -3 \end{array}$$

$$(x-3)(5x+1)$$

$$5(3) = 15$$

$$+1 \cdot 15$$

$$3 \cdot 5$$

5. Solve

$$x^2 + 3x = 10$$

$$-10 \quad -10$$

$$x^2 + 3x - 10 = 0$$

$$(x-2)(x+5) = 0$$

$$x-2=0 \quad x+5=0$$

$$+2 \quad +2$$

$$-5 \quad -5$$

$$x = 2$$

$$x = -5$$