

Review WS - Solving by Factoring

Solve each equation by factoring. Show all of your work!

1) $k^2 + 14k + 49 = 0$

2) $21v^2 - 71v + 40 = 0$

3) $5x^2 - 11x + 5 = 3$

4) $7v^2 + 45v + 26 = 8$

5) $24 - 14x = -2x^2$

6) $28 = -x^2 + 11x$

$$7) 56a^2 - 64 = -208a$$

$$8) 0 = 112 - 24p^2 - 152p$$

$$9) 7v^2 + 18 = -27v$$

$$10) 5n^2 + 27n + 2 = -8$$

$$11) -7x^2 = 7x + 8 - 8x^2$$

$$12) 7x^2 - 84x = -224$$