

28, 22, 24, 26,

$$22. \begin{aligned} x &= (x-6)^2 \\ -x &\quad -x \\ 0 &= (x-6)^2 - x \\ 0 &= (x-6)(x-6) - x \\ 0 &= x^2 - 6x - 6x + 36 - x \\ 0 &= x^2 - 13x + 36 \end{aligned}$$

6 - 9  
-9 - 6  
6 - 9  
-9 - 6  
6 - 9  
-9 - 6

$$0 = (x-4)(x-9)$$

$$\begin{array}{l} x-4=0 \\ \quad +4 \\ x=4 \end{array} \quad \begin{array}{l} x-9=0 \\ \quad +9 \\ x=9 \end{array}$$

$$24. \begin{aligned} 2(r^2+1) &= 5r \\ -5r & \\ 2(r^2+1) - 5r &= 0 \end{aligned}$$

$$y = 2(x^2+1) - 5x$$

$$x = 0.5 \quad x = 2$$

$$r = 0.5, 2$$

$$26. \begin{aligned} (x+2)(x^2-4) &= 0 \\ 0 &= (x+2)(x+2)(x-2) \\ &\quad x^2 - 2x + 2x - 4 \\ &\quad \quad x^2 - 4 \end{aligned}$$

$$\begin{array}{l} x+2=0 \\ x=-2 \end{array} \quad \begin{array}{l} x+2=0 \\ x=-2 \end{array} \quad \begin{array}{l} x-2=0 \\ \quad +2 \\ x=2 \end{array}$$

$$x = -2, 2$$

$$28. (x^2-1)(x^2+3x+2) = 0$$

$$x = -2 \quad x = -1 \quad x = 1$$