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Lutningen

$$k = \frac{y_2 - y_1}{x_2 - x_1} = \frac{30 - 10}{12 - 2} = \frac{20}{10} = 2$$

$$\text{Alltså: } y = 2x + m.$$

Insättning av $x = 2, y = 10$ ger nu

$$10 = 2 \cdot 2 + m$$

$$10 = 4 + m$$

$$m = 6$$

$$\underline{\underline{\text{Svar: } y = 2x + 6}}$$

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$$3(x+4) - (8+x) = 3$$

$$3x + 12 - 8 - x = 3$$

$$2x + 4 = 3$$

$$2x = -1$$

$$x = -\frac{1}{2}$$

$$\underline{\underline{\text{Svar: } x = -\frac{1}{2}}}$$

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$$(2x-5) \cdot (x+3) = 2x^2 - 9$$

$$2x^2 + 6x - 5x - 15 = 2x^2 - 9$$

$$x - 15 = -9$$

$$x = 6$$

$$\underline{\underline{\text{Svar: } x = 6}}$$