Mathematics 10D

Q.07 – Solving By Factoring

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Factor, then solve!

otor, then solve! (x)
$$x^2 + 10x + 21 = 0$$

$$(x+3)(x+7)=0$$

$$-7$$

Factor to solve another!

$$20x^2 - 14x - 24 = 0$$

$$\frac{2(10x^{2}-7x-12)=0}{2}$$

$$\frac{10x^{2}-7x-12=0}{10x^{2}-15x+8x-12=0}$$

$$\frac{10x^{2}-15x+8x-12=0}{5x}$$

$$\frac{10x^{2}-15x+8x-12=0}{5x}$$

$$\frac{10x^{2}-15x+8x-12=0}{5x}$$

$$\frac{10x^{2}-15x+8x-12=0}{5x}$$

$$\frac{10x^{2}-15x+8x-12=0}{5x}$$

$$\frac{10x^{2}-12}{5x}$$

$$\frac{10x^{2}-$$

Simplify, then factor to solve. 🔑

$$2x^2 - 11x - 4 \neq 2$$

$$2x - 11x - 6 = 0$$

$$\frac{2x^2-12x+1x-6=0}{+1}$$

$$\left(2x+1\right)\left(x-6\right)=0$$

$$2x^{2}-(1x-4)=2$$

$$2/6)^{2}-11/6)-4=2$$

$$2=2$$

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Whoah! What's this?!?

$$36x^2 - 174x + 18 = -6x^2 - 6$$

$$7x^{2} - 29x + 4 = 0$$
 (x) 28

$$\frac{7x^2 - 28x - 1x + 4 = 0}{2x}$$

$$\left(7 \times -1 \right) \left(x - 4 \right) = 0$$

$$x = \frac{1}{2} \quad x = 4$$

$$36x^{2}-171/x+18=-6x^{2}-6$$
 $364y^{2}-174/4)+18=-64y^{2}-6$
 $576-696+18=-96-6$
 $-102=-102$

-28, -1