

$x = \sqrt{-4}$  (Hence No Solutions)

No Real Solutions

$$x^2 - 64 = 0$$

$$8 = x \text{ or } -8 = x$$

$$4x^2 + 4x + 1 = 0$$

$x = 5$  (Repeated Roots)

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

$$3x^2 - 5x + 2 = 0$$

$$x = -8 \text{ or } x = -3$$

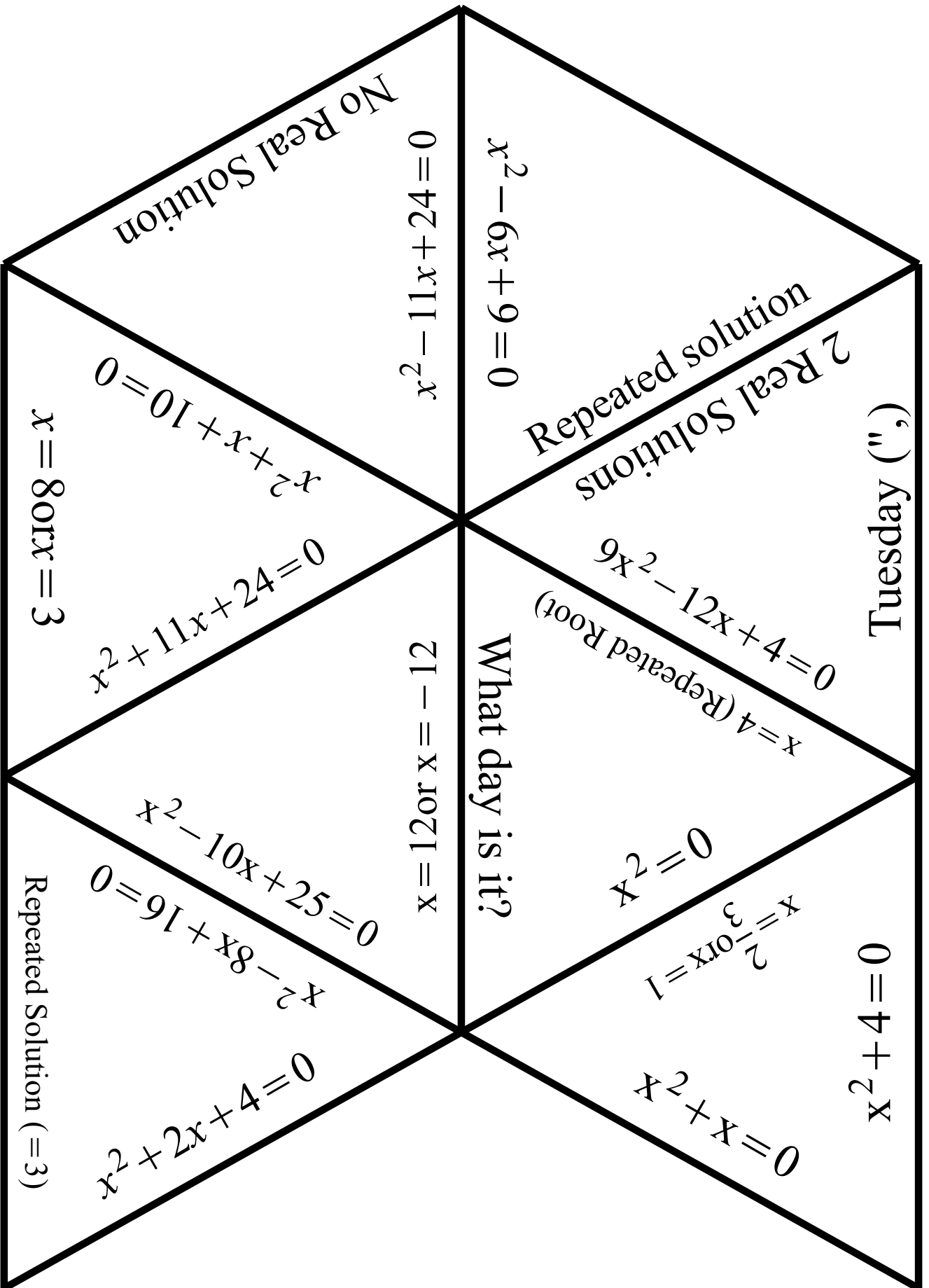
$$0 = x$$

$$x^2 - 144 = 0$$

$$x = 12 \text{ or } x = -12$$

$x = \frac{2}{3}$  (Repeated)

$$1 = x \text{ or } -1 = x$$



Tuesday (")

2 Real Solutions  
Repeated solution

$$x^2 - 6x + 9 = 0$$

$$x^2 - 11x + 24 = 0$$

No Real Solution

$$x^2 + 4x + 4 = 0$$

x = 4 (Repeated Root)

What day is it?

$$x^2 - 10x + 25 = 0$$

$$x^2 + 11x + 24 = 0$$

$$x = 8 \text{ or } x = 3$$

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

$$x^2 + 4x + 4 = 0$$

$$x = 3 \text{ or } x = 1$$

$$x^2 + 2x + 2 = 0$$

$$x^2 + 2x + 4 = 0$$

Repeated Solution (= 3)