

Activity 16

	A	B	C	D	E	F	
1	$\left\{\frac{3}{2}, \frac{2}{3}\right\}$	$\{3, -3\}$	$\{3, 5\}$	$\{1, 2\}$	$\{-2, -4\}$	$\left\{-\frac{3}{2}, -5\right\}$	
2	$\{2\}$	$\left\{-\frac{3}{5}, \frac{1}{2}\right\}$	$\left\{\frac{3}{4}, -\frac{1}{2}\right\}$	$\left\{\frac{3}{2}, -2\right\}$	$\{0, 10\}$	$\{2\}$	
3	$\{3, 4\}$	$\{-2, -4\}$	$\left\{\frac{4}{5}, \frac{1}{3}\right\}$	$\left\{-\frac{1}{3}, 5\right\}$	$\{3, -3\}$	$\{5, -3\}$	
4	$\{1, 2\}$	$\{-2, -4\}$	$\left\{-\frac{3}{2}, -5\right\}$	$\left\{\frac{3}{2}, \frac{2}{3}\right\}$	$\{3, -3\}$	$\{3, 5\}$	
5	$\left\{\frac{3}{4}, \frac{1}{2}\right\}$	$\{0, 10\}$	$\{2\}$	$\{2\}$	$\left\{-\frac{3}{5}, \frac{1}{2}\right\}$	$\left\{\frac{3}{2}, -2\right\}$	
6	$\left\{-\frac{1}{3}, 5\right\}$	$\{3, -3\}$	$\{5, -3\}$	$\{3, 4\}$	$\{-2, -4\}$	$\left\{\frac{4}{5}, \frac{1}{3}\right\}$	

Find each solution set by factoring.

Example: $x^2 - x - 6 = 0$
 $(x + 2)(x - 3) = 0$
 $\{-2, 3\}$

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

 $x^2 - 2x - 15 = 0$

 $x^2 + 6x + 8 = 0$

 $x^2 - 8x + 15 = 0$

 $x^2 - 10x = 0$

 $x^2 - 7x + 12 = 0$

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

 $3x^2 - 14x - 5 = 0$

 $10x^2 + x - 3 = 0$

 $x^2 - 9 = 0$

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

 $8x^2 - 2x - 3 = 0$

 $-6x^2 + 13x - 6 = 0$

 $15x^2 - 17x + 4 = 0$

 $2x^2 + 13x + 15 = 0$