	Review for final – C
1	Solve for x: $5x - 4(2 - x) = 3(x + 5) - 2$
2	Solve for x: $ax - 5 = bx + 10$
3	Solve for x: $\frac{2}{x^2-3x} + \frac{3}{x^2+x} = \frac{4}{x^2-2x-3}$
4	Solve for x: $\frac{3x}{5} - \frac{2}{3} < \frac{x}{15}$
5	Solve for x: $2x^2 = 10x$
6	Solve for x: $5x^2 + 13x = 6$
7	Solve for x: $x^2 - 10x - 3 = 0$
8	If $x^2 + 8x - 2 = 0$, then $(x + 4)^2 =$ _____.
9	Find the equation of the line perpendicular to $2y - x = 5$ and through $(-1,4)$.
10	Find the radius of the circle with equation: $x^2 + y^2 - 8x + 10y - 1 = 0$

Answers:

1	$x = \frac{21}{6}$	2	$x = \frac{15}{a-b}$
3	$x = 7$	4	$x < \frac{5}{4}$
5	$x = 0, x = 5$	6	$x = \frac{2}{5}, x = -3$
7	$x = 5 \pm 2\sqrt{7}$	8	18
9	$y = -2x + 2$	10	42