

Answers

Essential Skills 33	
1	$k = 16$
2	$k = 8, k = -8$
3	$k = 4$
4	$k = 3, k = -3$
5	$k = -7, k = 5$
6	$k = -\frac{3}{2}, k = 3$
7	$k = 4, k = -4$
8	$k = -\frac{4}{3}, k = \frac{4}{3}$
9	$k = -\frac{1}{4}$
10	$k = -4, k = 0$
AQ	(1) $k = 16$ (2) $k < -3, k > 2$ (3) Min value 9 so $b^2 - 4ac > 0$ for all k