

# Exam 1A

Question #	Form A	Answer
1	C	$\frac{1}{t} \geq 5$
2	B	$\frac{a^{14}}{16b^6}$
3	A	$9x^6$
4	E	None of the above
5	C	$9x^2 - 30xy + 25y^2$
6	C	$5a - 1$
7	D	$\frac{3x - 1}{(x + 2)(x - 2)}$
8	B	$\frac{2x^2 - 8x + 9}{(x + 2)(x - 2)}$
9	C	$\frac{m - 8\sqrt{m} + 15}{m - 9}$
10	D	$x$ is between 1 and 2
11	A	$c$ is less than $-5$
12	C	There are two solutions. One is positive and one is negative.
13	D	$0.15x + 0.40(30 - x) = (0.20)(30)$
14	E	$\frac{385}{4}$
15	D	$r = \sqrt{\frac{150}{\pi}}$