

Math 156 PRECALCULUS
Fall 2015

Quiz 1 – Version One
MAKE-UP

Thursday, September 10, 2015

Name: _____

This quiz has 10 problems worth 3 points each for a total of 30 points. It is TWO
SIDED.

1. Perform the indicated operations: $(3 + \frac{1}{4})(1 - \frac{4}{5})$.

Answer: _____

2. Graph the inequality $x \geq -3$ on the number line below:

3. Simplify the expression $4\sqrt{18rt^3} + 5\sqrt{32r^3t^5}$.

Answer: _____

4. Evaluate the expression $(\frac{25}{64})^{-\frac{3}{2}}$.

Answer: _____

5. Simplify the expression $\frac{5xy^{-2}}{x^{-1}y^{-3}}$ and eliminate any negative exponents.

Answer: _____

6. Multiply the algebraic expression $2(x - 3)(4x + 9)$.

Answer: _____

7. Simplify the expression $\sqrt{\frac{16u^3v}{uv^5}}$ and eliminate any negative exponents.

Answer: _____

8. Perform the indicated operation and simplify the expression $x^{3/2}(\sqrt{x} - 1/\sqrt{x})$

Answer: _____

9. Factor the expression $6y^2 + 11y - 21$.

Answer: _____

10. Factor the expression $1 + 1000y^3$ completely.

Answer: _____