

## Quiz 2

Name:

Perm Number:

1) Simplify the expression below and write it as a percent.

$$\frac{1}{20} (12^{-1} + 18^{-1})^{-1}$$

2) Multiply out and simplify. writing the simplified answer in the box.

$$(x - 1)(x^3 + x^2 + x + 1)$$

3) Multiply out and simplify. writing the simplified answer in the box.

$$\left(\frac{5a - 3ab}{2a}\right) \left(\frac{14a - 28b}{7}\right)$$

4) A bad guy leaves Isla Vista at midnight, traveling on the 101. To avoid being pulled over, he maintains a speed of 60 miles per hour. At 1:20AM, Jason Borne leaves Isla Vista in the same direction at 100 miles per hour. At what time will Jason catch up to the bad guy?