**Exit Slip(10/25/16)**

**MGSE9-12.A.SSE.3** Choose and produce an equivalent form of an expression to reveal and explain properties of the quantity represented by the expression.

**MGSE9-12.A.SSE.2** Use the structure of an expression to rewrite it in different equivalent forms.

**Criteria: 7 OUT OF 7**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_

**Explain why you cannot factor the trinomial 2x2+7x+10.**

1. **Consider the polynomial 2x2+9x+10**

**Can you factor out a monomial from the polynomial? YES/NO**

**Can you rewrite 9 as the sum of two factors of 20? YES/NO**

**Can you factor 2x2+9x+10 ? YES/NO**

1. **Now consider the polynomial 2x2+7x+10.**

**Can you factor out a monomial from the polynomial? YES/NO**

**Can you rewrite 7 as the sum of two factors of 20?**

**Complete the following sentence:**

**I cannot factor 2x2+7x+10 because\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**