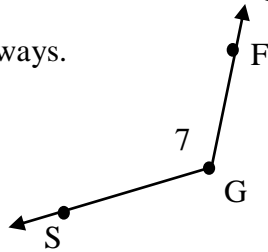


# MATH 2 CHAPTER 5 PRACTICE QUIZ #9

1. Name the angle 4 different ways.



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2. A plastic box contains 12 red blocks, 16 blue blocks, 7 green blocks, 10 black blocks, 14 yellow blocks, and 11 purple blocks. If you reach into the plastic box and randomly choose a block, what is the probability you will get the following:

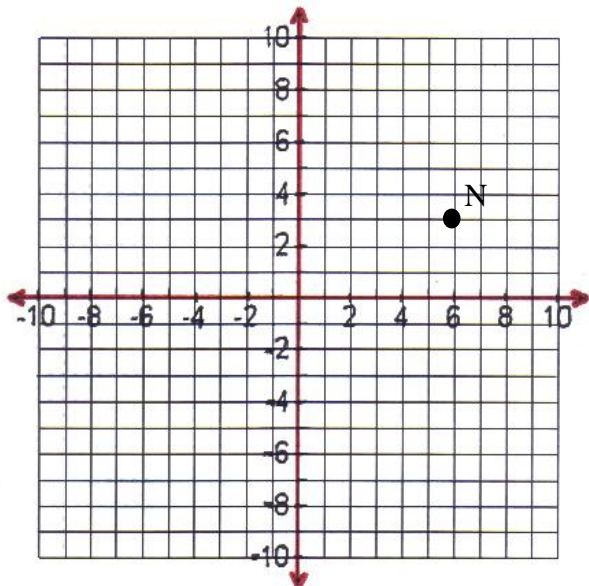
- $P(\text{green block})$  \_\_\_\_\_       $P(\text{block})$  \_\_\_\_\_       $P(\text{pink block})$  \_\_\_\_\_
- $P(\text{red block and blue block})$  \_\_\_\_\_       $P(\text{Not a yellow block})$  \_\_\_\_\_
- $P(\text{purple block, black block, and green block})$  \_\_\_\_\_

3. Simplify the radicals. Leave as an exact answer.

- (a)  $\sqrt{32}$       (b)  $\sqrt{48}$       (c)  $3\sqrt{50}$       (d)  $9\sqrt{147}$       (e)  $10\sqrt{192}$

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4. Translate point N 10 units left and 10 units down and label it  $N'$ . Then reflect  $N'$  over the y-axis and label it  $N''$ . Rotate  $N''$  90° CW about the origin and label it  $N'''$ .



$N''' = ( \quad , \quad )$