Name: _____

Date:___

Circle the one best answer. Justify your answer by showing all work below.

26. A travel agent charges a flat fee of 0.75% on the full price of airline tickets processed for clients. If a ticket from Charlotte to Seattle has a full price of \$420, what is the agent's fee?

A. \$560.00

B. \$315.00

c. \$31.50

D. \$3.15

E. \$0.32

27. How long is the hypotenuse c of a right triangle whose leg b measures 4h units, and whose leg a measures 2h units (h > 0)?

A. $4h\sqrt{5}$ B. $3h\sqrt{5}$ C. $2h\sqrt{5}$ D. $5h\sqrt{2}$ E. $\frac{3h\sqrt{5}}{2}$



28. It took a copier from 11:12 am until 11:22 am the same day to complete an order that required 45 copies. If the next order is begun at 5:58 pm and requires 135 copies, what is the earliest it will be done?

A. 5:28 pm B. 6:28 pm C. 6:58 pm D. 6:32 pm E. 6:18 pm

29. Multiply: $(9x-5y)^2$

A. $81x^2 - 90xy + 25y^2$ B. $9x^2 + 25y^2$ C. $81x^2 + 25y^2$ D. $9x^2 - 90xy + 25y^2$ E. $81x^2 - 25y^2$

30. Simplify: $64 - \sqrt{-100}$

A. 54 B. 64-10i C. 64+10i D. 64-100i E. 74