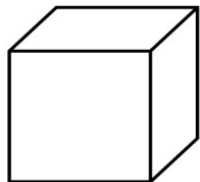


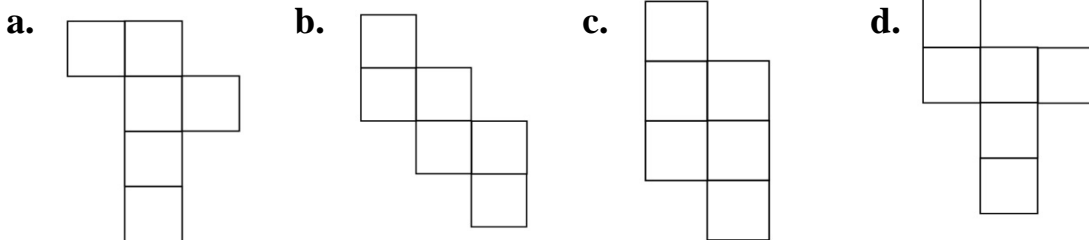
# Think 3-D

Name \_\_\_\_\_

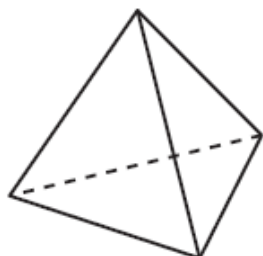
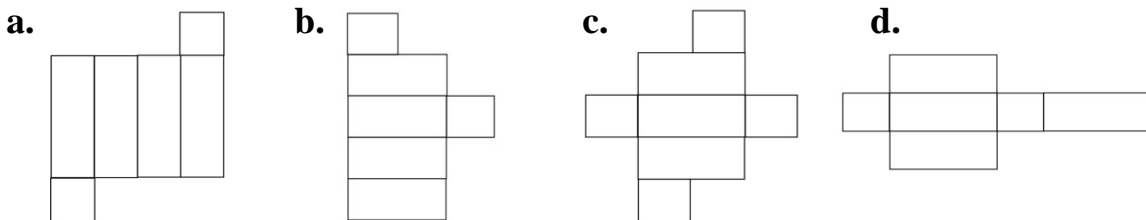
*Directions #1-4:* Read carefully, as each question asks you to find the net that will NOT create the figure shown.



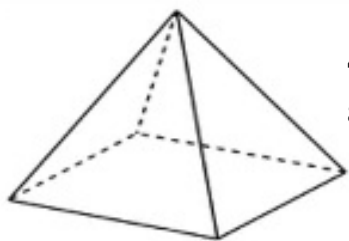
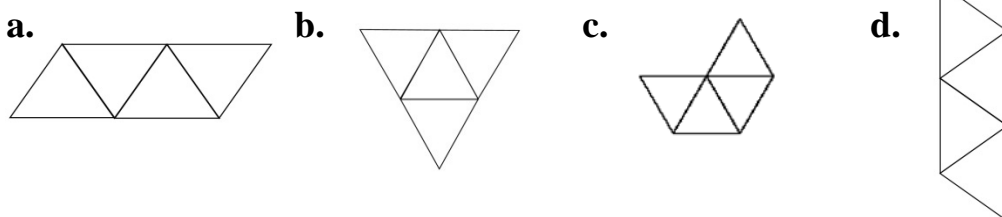
1. Which net will **NOT** form a cube?



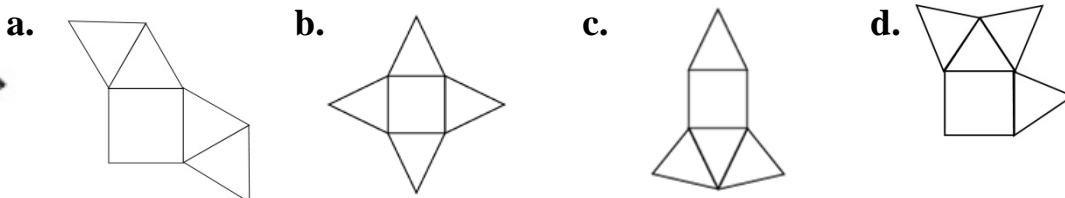
2. Which net will **NOT** form a rectangular prism?



3. Which net will **NOT** form a tetrahedron?



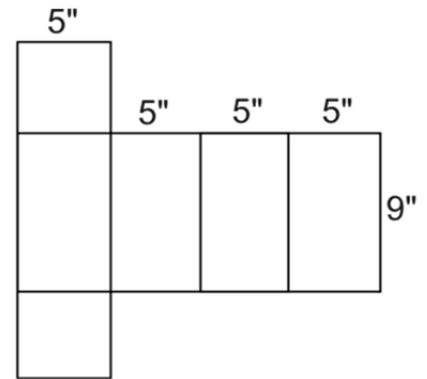
4. Which net will **NOT** form a square pyramid?



*Directions:* Choose the best answer for the following questions as they pertain to the nets shown. The nets form 3-D objects. Show your work.

5. What is the surface area of the 3-D figure in sq. in.?

- a. 45            b. 78            c. 225            d. 230

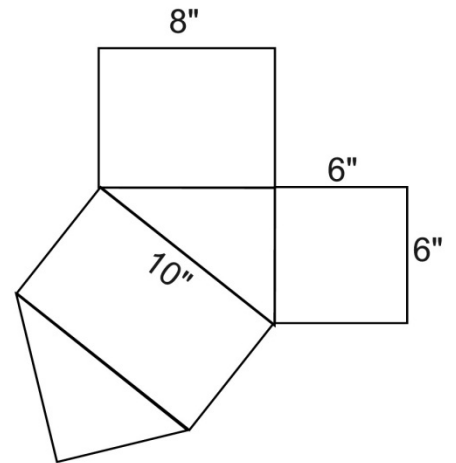


6. What is the volume of the 3-D figure in cu. in.?

- a. 45            b. 225            c. 1125            d. 5625

7. What is the surface area of the 3-D figure in sq. in.?

- a. 64            b. 192            c. 228            d. 256



8. What is the volume of the 3-D figure in cu. in.?

- a. 110            b. 140            c. 144            d. 288

9. What is the surface area of the 3-D figure in sq. in.?

- a. 84            b. 132            c. 144            d. 864

10. The volume of a square pyramid:  $V = \frac{1}{3}Bh$

(where  $B$  = area of the base and  $h$  = height).

If the height of this pyramid to the nearest tenth is 2.6 inches, what is its volume in cu. in.?

- a. 31.2            b. 93.6            c. 144            d. 374.4

