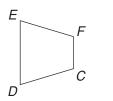
CHAPTER At-Home Practice

Congruence and Transformations

Write a congruence statement for each pair of polygons.



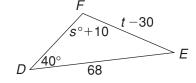


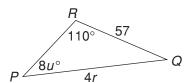
In the figure, triangle $DEF \cong \text{triangle } PQR$. Find the value of the variable.

3. Find *r.* _____

D

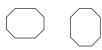
- **4.** Find *s.* _____
- **5.** Find *t.* _____ **6.** Find *u.* _____





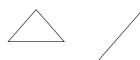
Identify each as a translation, rotation, reflection, or none of these.

7.





9.



10.



| Name | | | | | | | | | _ Date | | Class | |
|----------------------|------|-------|-------|-------|---------|-------|---------|-----------|--------------------------------------|----------|-------|--|
| CHAPTER | Fa | mi | ly I | Fur | 1 | | | | | | | |
| 8 | Tra | insi | forn | ning | y Wo | ords | S | | | | | |
| | atio | n? W | /hich | capit | al lett | ers a | are syn | nmetrica | ndergo a I? Which w ge meaning | | | |
| Draw a l symmet | | | ymn | netry | on t | the | capita | l letters | s that are | | | |
| | A | В | С | D | Ε | F | G H | 11. | J K L | M | | |
| | N | 0 | P | R | S | Т | U V | W | XYZ | | | |
| Find 4 w | ord | ls w | hich | can | be r | efle | cted a | nd not | lose their | meani | ng. | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Find 4 w | ord | ls th | at ca | an b | e rot | ated | l 180° | and sti | ll be a wo | ord. | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Print you name. | ur n | ame | e no | rızor | itally | . Ma | ike a r | iorizon | tal reflect | ion of y | our/ | |
| Print youname. | ur n | ame | e ver | tica | lly. M | ake | a ver | tical ref | flection of | f your | | |
| Create a understo | | | | _ | | | | - | ay it can l | be | | |
| | | | | | | | | | | | | |

Answers: A B C D E #+K M \oplus T U V W * Y sample: MOM/WOW, ON/NO, MOW/MOW, NOON/NOON