

G249 Congruent triangles

(13) proof
(14) 5.62 m
(15) 30 cm
(16) 15.7 cm
(17) 27.5 cm
(18) 11.6°

① proof

(1) 13.8 cm

② proof

(2) 20.5 m

③ proof

(3) 21.1 cm

④ proof

(4) 18.7 cm

⑤ proof

(5) 38.3 cm

⑥ a) proof

(6) 8.25 cm

b) $AP = QC$ as triangle ADP is congruent to triangle CBR ,
therefore, $APCQ$ is a parallelogram,
therefore, AQ is parallel to PC

(7) 2.88 cm

(8) 2.210

(9) 25.2 cm

⑦ proof

(10) 11.6°

⑧ proof

(11) 27.5 cm

(12) 15.7 cm

(13) 30 cm

(14) 5.62 m

(15) proof