

Reflections and Refraction Textbook QuestionsReview Problems1a.)  $53^\circ$ b.)  $106^\circ$ 2.)  $108^\circ$ 

3.) 1.46

4a.) 1.34

b.) water

5.)  $34.7^\circ$ 6.)  $26.2^\circ$ 7.)  $21^\circ$ 8.)  $55.9^\circ$ 9.)  $20.2^\circ$ 10.)  $20.9^\circ$ 11a.)  $25^\circ$ b.)  $29^\circ$ 12.)  $49.8^\circ$ 14a.)  $28^\circ$ b.)  $A = 62^\circ$     $B = 58^\circ$     $C = 32^\circ$ 18.)  $14^\circ$ 

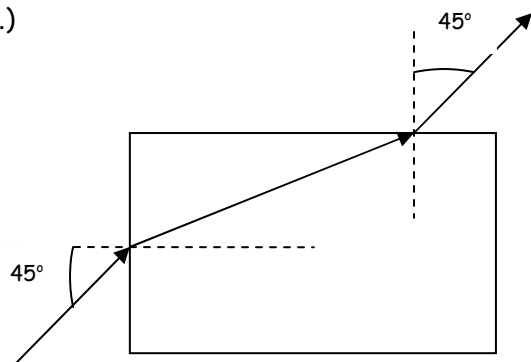
19.) 2.7 min

20.)  $24.4^\circ$ 

21.) 1.41

22.) no angle

23.)

24.)  $61^\circ$ 25.) red =  $12^\circ$ blue =  $19.1^\circ$ 26a.) red =  $19.3^\circ$    blue =  $19.1^\circ$ 27a.)  $1.96 \times 10^8 \frac{m}{s}$ b.)  $1.99 \times 10^8 \frac{m}{s}$