



Name: _____

Date: _____

Congruent Triangles

Solve for x. Show your work.

1. triangle ABC, triangle DEF: angle A
cong angle D, angle B cong angle E,
BC cong EF
2. triangle ABC, triangle DEF: angle A
cong angle D, AB cong DE, angle B
cong angle E
3. triangle ABC, triangle DEF: AB cong
DE, AC cong DF, angle B cong angle
E
4. triangle ABC, triangle DEF: AB cong
DE, AC cong DF, angle B cong angle
E
5. triangle ABC, triangle DEF: angle A
cong angle D, angle B cong angle E,
BC cong EF
6. triangle ABC, triangle DEF: AB cong
DE, angle B cong angle E, BC cong
EF
7. triangle ABC, triangle DEF: AB cong
DE, AC cong DF, angle B cong angle
E
8. triangle ABC, triangle DEF: AB cong
DE, angle B cong angle E, BC cong
EF



Congruent Triangles – Answer Key

1. triangle ABC, triangle DEF: angle A
cong angle D, angle B cong angle E,
BC cong EF
2. triangle ABC, triangle DEF: angle A
cong angle D, AB cong DE, angle B
cong angle E
3. triangle ABC, triangle DEF: AB cong
DE, AC cong DF, angle B cong angle
E
4. triangle ABC, triangle DEF: AB cong
DE, AC cong DF, angle B cong angle
E
5. triangle ABC, triangle DEF: angle A
cong angle D, angle B cong angle E,
BC cong EF
6. triangle ABC, triangle DEF: AB cong
DE, angle B cong angle E, BC cong
EF
7. triangle ABC, triangle DEF: AB cong
DE, AC cong DF, angle B cong angle
E
8. triangle ABC, triangle DEF: AB cong
DE, angle B cong angle E, BC cong
EF