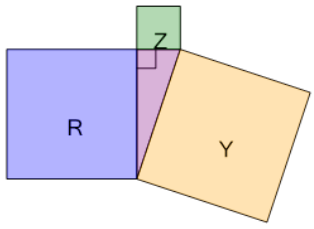
Math worksheet on *'Pythagorean Theorem - Triangle with Squares Image to Area Equation (Level 1)'*. Part of a broader unit on *'Pythagoras - Intro'*

Learn online: app.mobius.academy/math/units/pythagoras_intro/

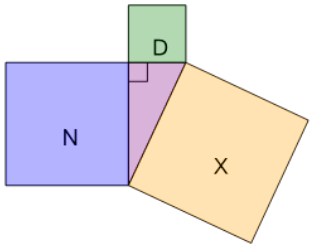
**1**




Find the area of square Z as an equation based on the Pythagorean theorem

| a | b |
|---|---|
| $Z = Y + R$ | $Z = Y - R$ |

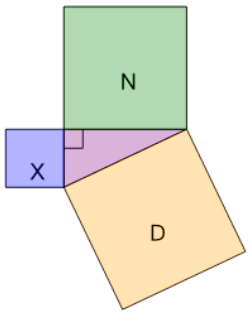
**2**




Find the area of square D as an equation based on the Pythagorean theorem

| a | b |
|---|---|
| $D = X - N$ | $D = X + N$ |

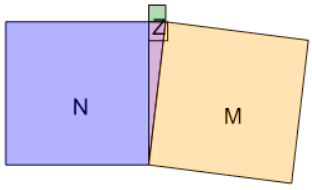
**3**




Find the area of square N as an equation based on the Pythagorean theorem

| a | b |
|---|---|
| $N = D + X$ | $N = D - X$ |

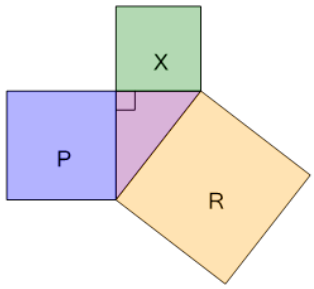
**4**




Find the area of square M as an equation based on the Pythagorean theorem

| a | b |
|---|---|
| $M = Z - N$ | $M = Z + N$ |

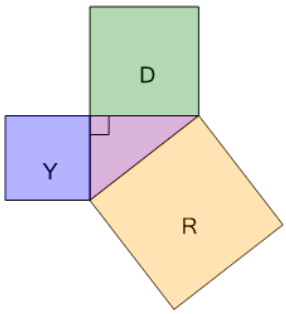
**5**




Find the area of square R as an equation based on the Pythagorean theorem

| a | b |
|---|---|
| $R = X + P$ | $R = X - P$ |

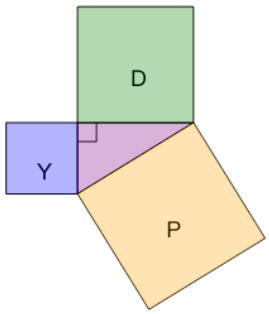
**6**




Find the area of square D as an equation based on the Pythagorean theorem

| a | b |
|---|---|
| $D = R + Y$ | $D = R - Y$ |

**7**




Find the area of square P as an equation based on the Pythagorean theorem

| a | b |
|---|---|
| $P = D - Y$ | $P = D + Y$ |