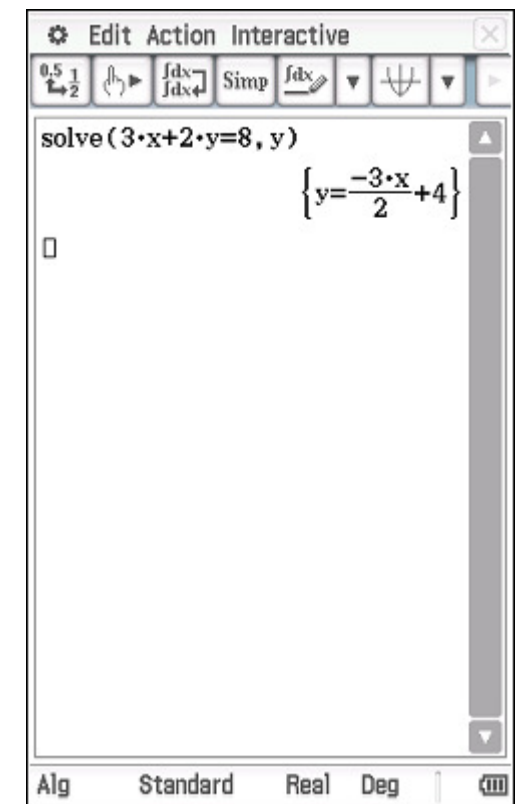
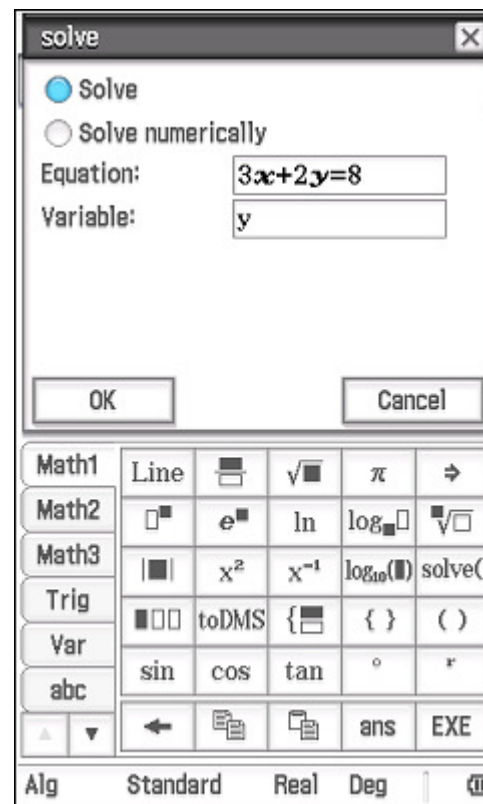
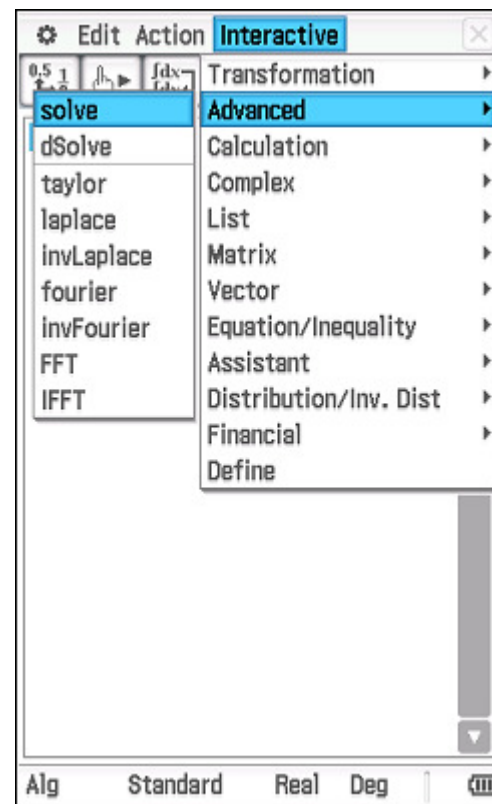
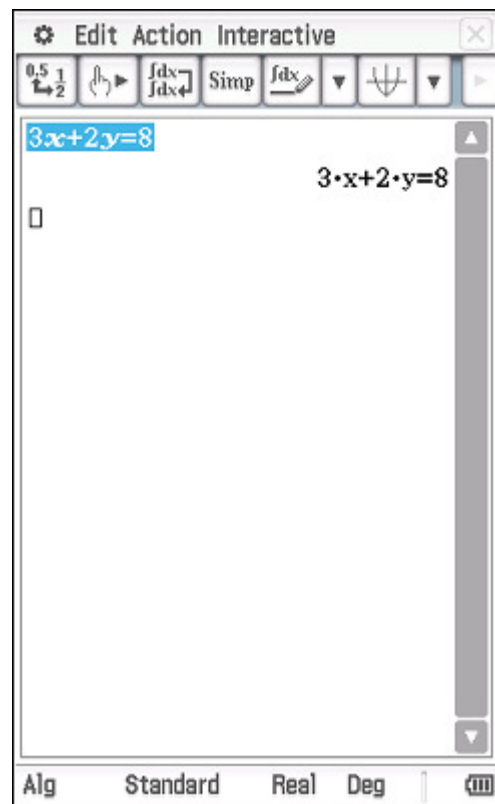


When re-arranging an equation using ClassPad, modify your language to **solving** an equation for a required variable.

To solve $3x + 2y = 8$ for y , start in Main, enter the equation, tap EXE and select the equation on the LHS of the screen.

Tap Interactive, Advanced, solve

Modify the Variable to y and tap OK.



Make r the subject of the equation

$$S = 2\pi r^2 + 2\pi rh.$$

Follow the same procedure as before.

Edit Action Interactive
 solve(3*x+2*y=8, y)
 $\left\{y = \frac{-3 \cdot x}{2} + 4\right\}$
 $S = 2\pi r^2 + 2\pi r h$
 $S = 2 \cdot r^2 \cdot \pi + 2 \cdot h \cdot r \cdot \pi$

solve
 Solve
 Solve numerically
 Equation: $S = 2\pi r^2 + 2\pi r h$
 Variable: r

Edit Action Interactive
 solve(3*x+2*y=8, y)
 $\left\{y = \frac{-3 \cdot x}{2} + 4\right\}$
 solve($S = 2\pi r^2 + 2\pi r h$, r)
 $\left\{r = \frac{-h}{2} - \frac{\sqrt{h^2 \cdot \pi + 2 \cdot S}}{2 \cdot \sqrt{\pi}}, r = \frac{-h}{2} + \frac{\sqrt{h^2 \cdot \pi + 2 \cdot S}}{2 \cdot \sqrt{\pi}}\right\}$