//this is a code for using a 4 pin hc sr04 sensor as a 3 pin ping sensor By robobot3112

#include <NewPing.h>

#define PING\_PIN 12 // Arduino pin for both trig and echo

NewPing sonar(PING\_PIN, PING\_PIN );

void setup() {

Serial.begin(9600);

}

void loop() {

delay(50); // Wait 50ms between pings (about 20 pings/sec). 29ms should be the shortest delay

unsigned int uS = sonar.ping(); // Send ping, get ping time in microseconds (uS).

Serial.print("Ping: ");

Serial.print(uS / US\_ROUNDTRIP\_CM); // convert time into distance

Serial.println("cm"); }